

FIG. 1

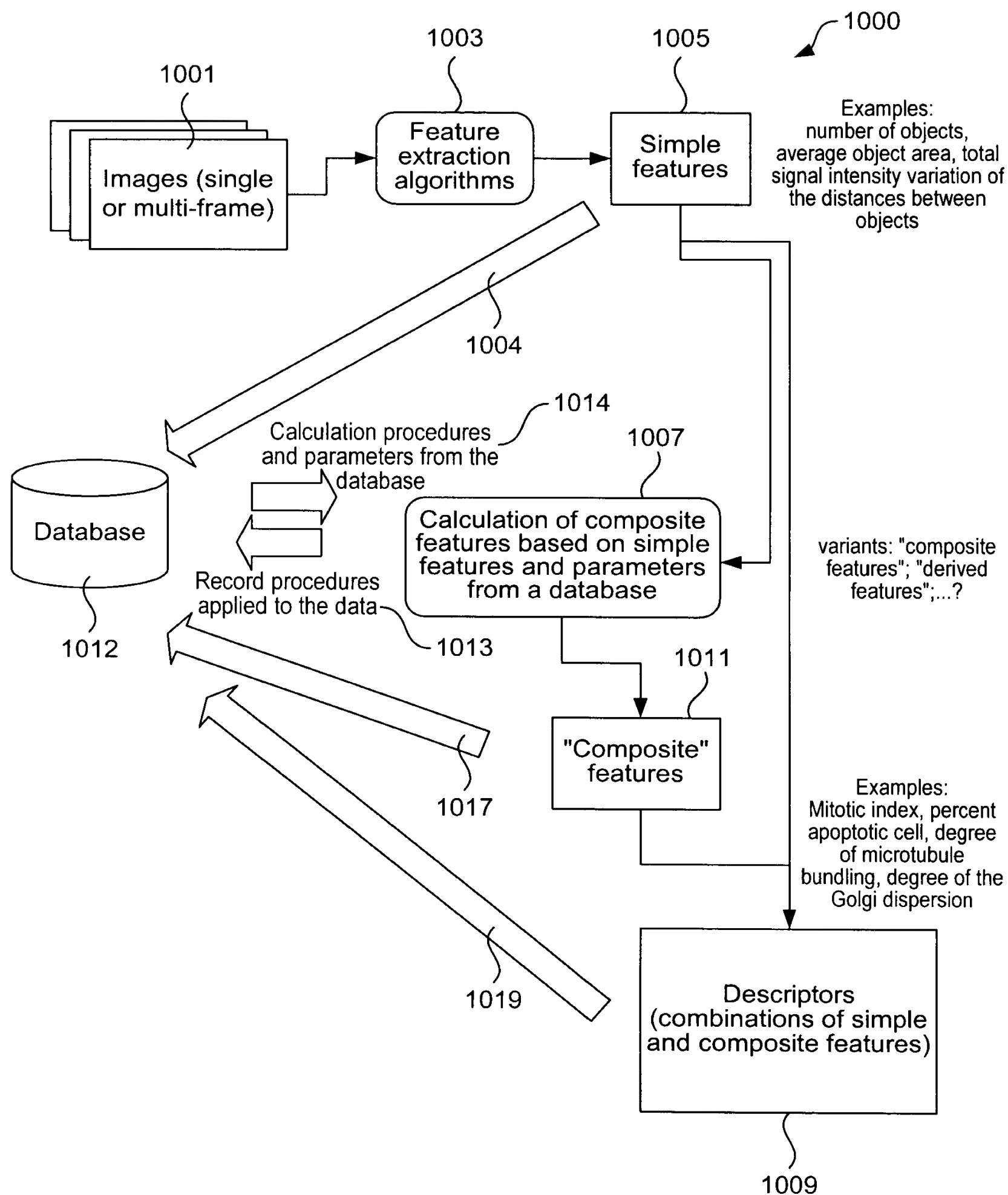


FIG. 1A

| | |
|-----------|----------------|
| APPROVED | O. G. FIG. |
| BY | CLASS SUBCLASS |
| DRAFTSMAN | |

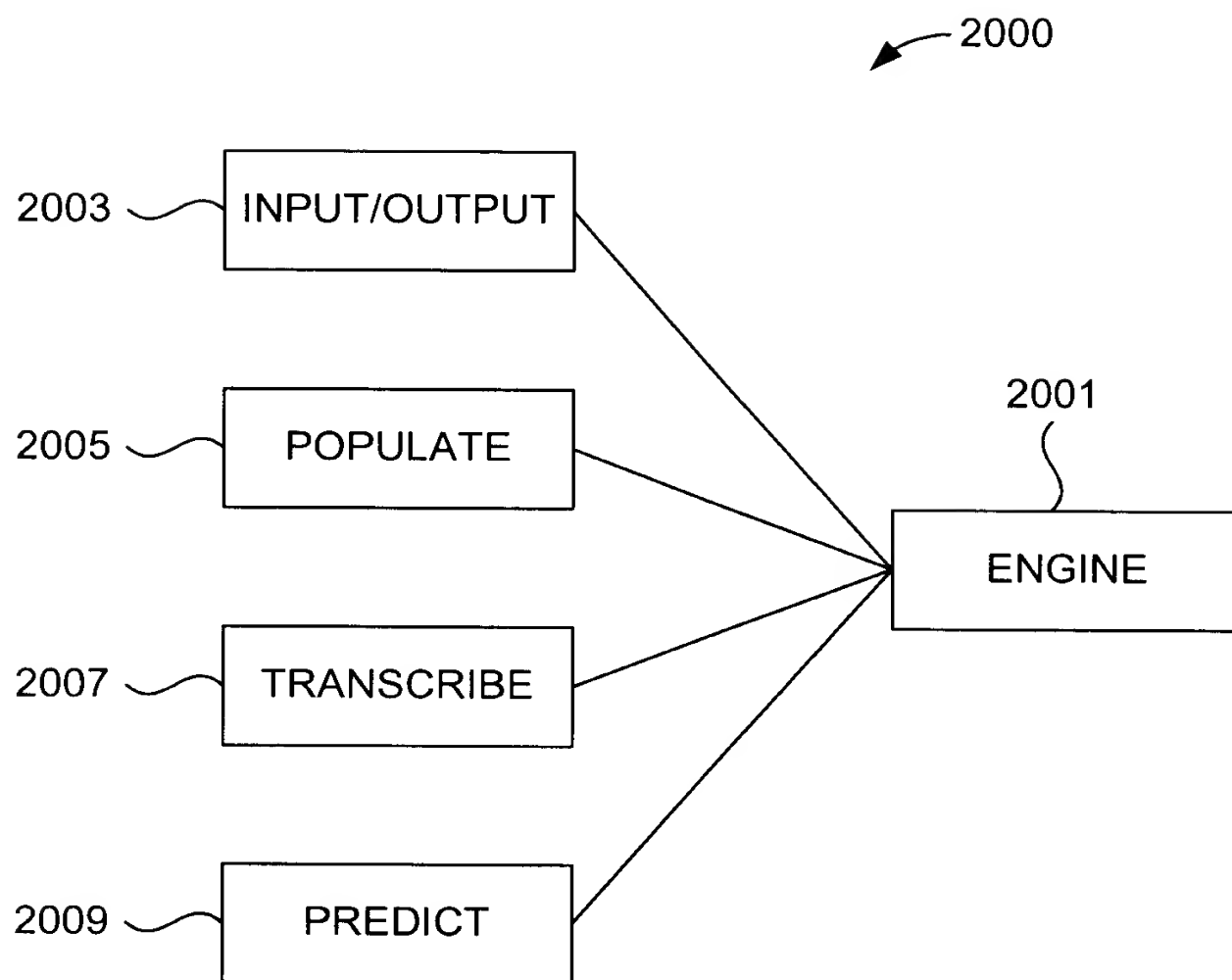


FIG. 1B

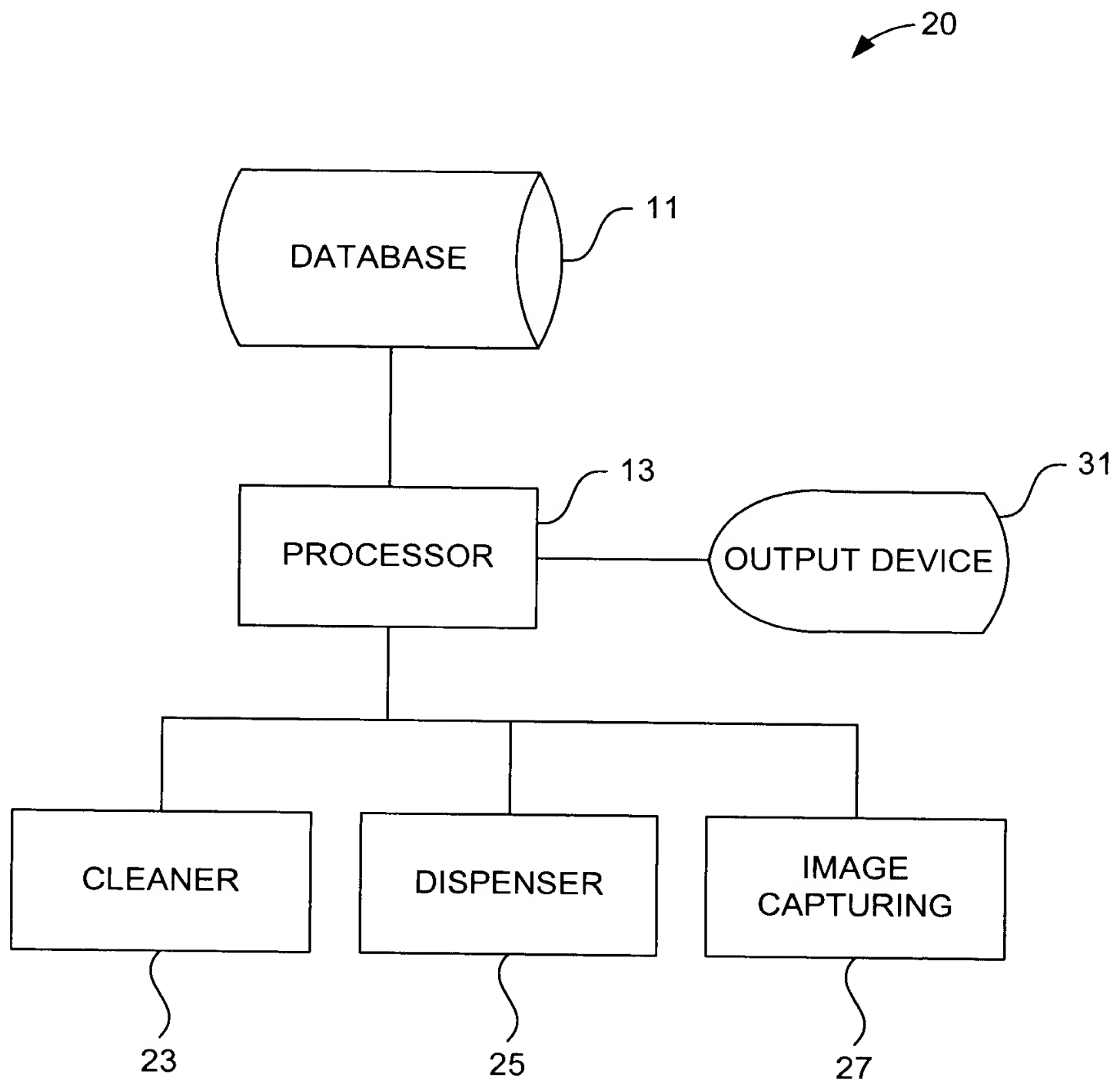


FIG. 2

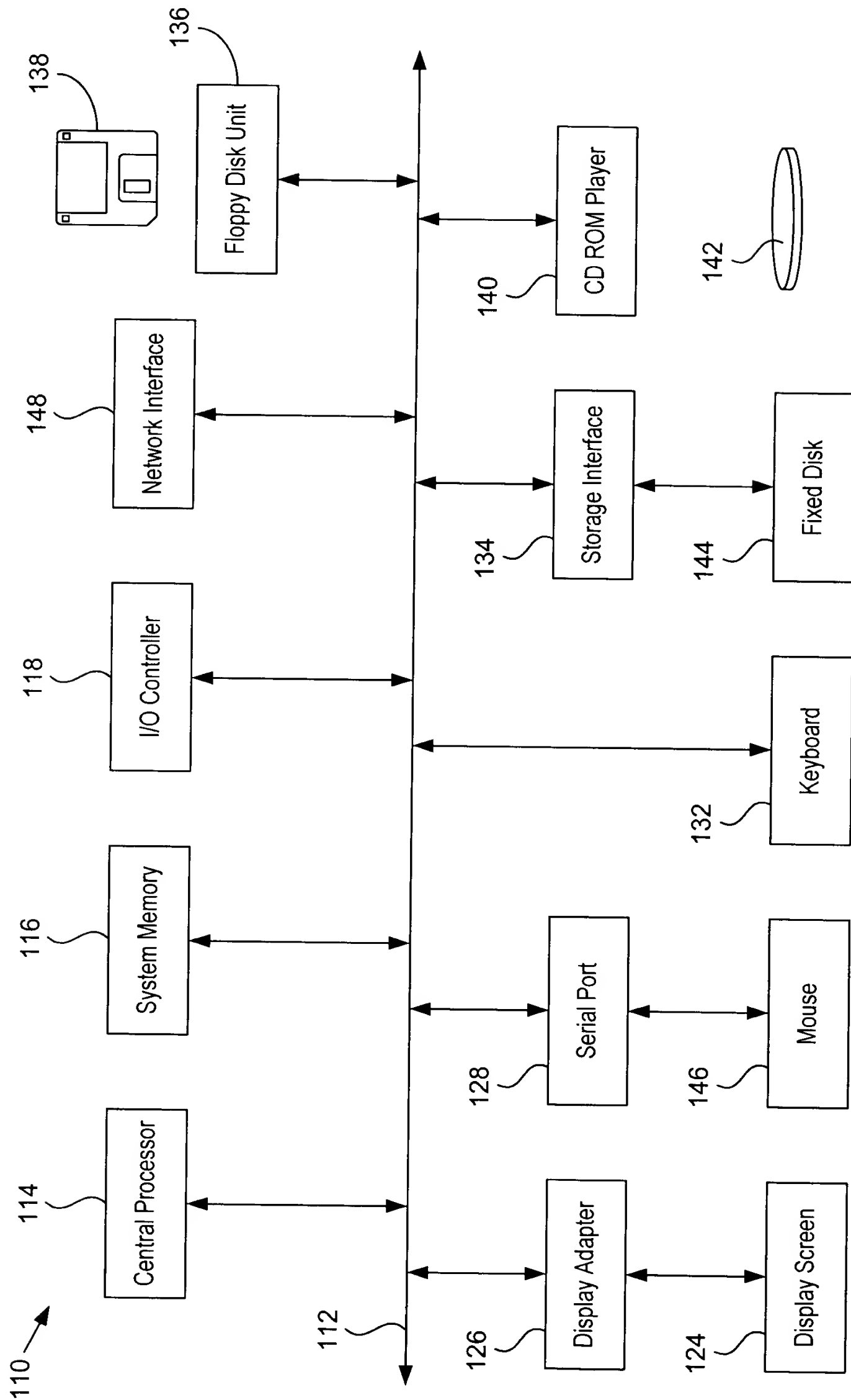


FIG. 3

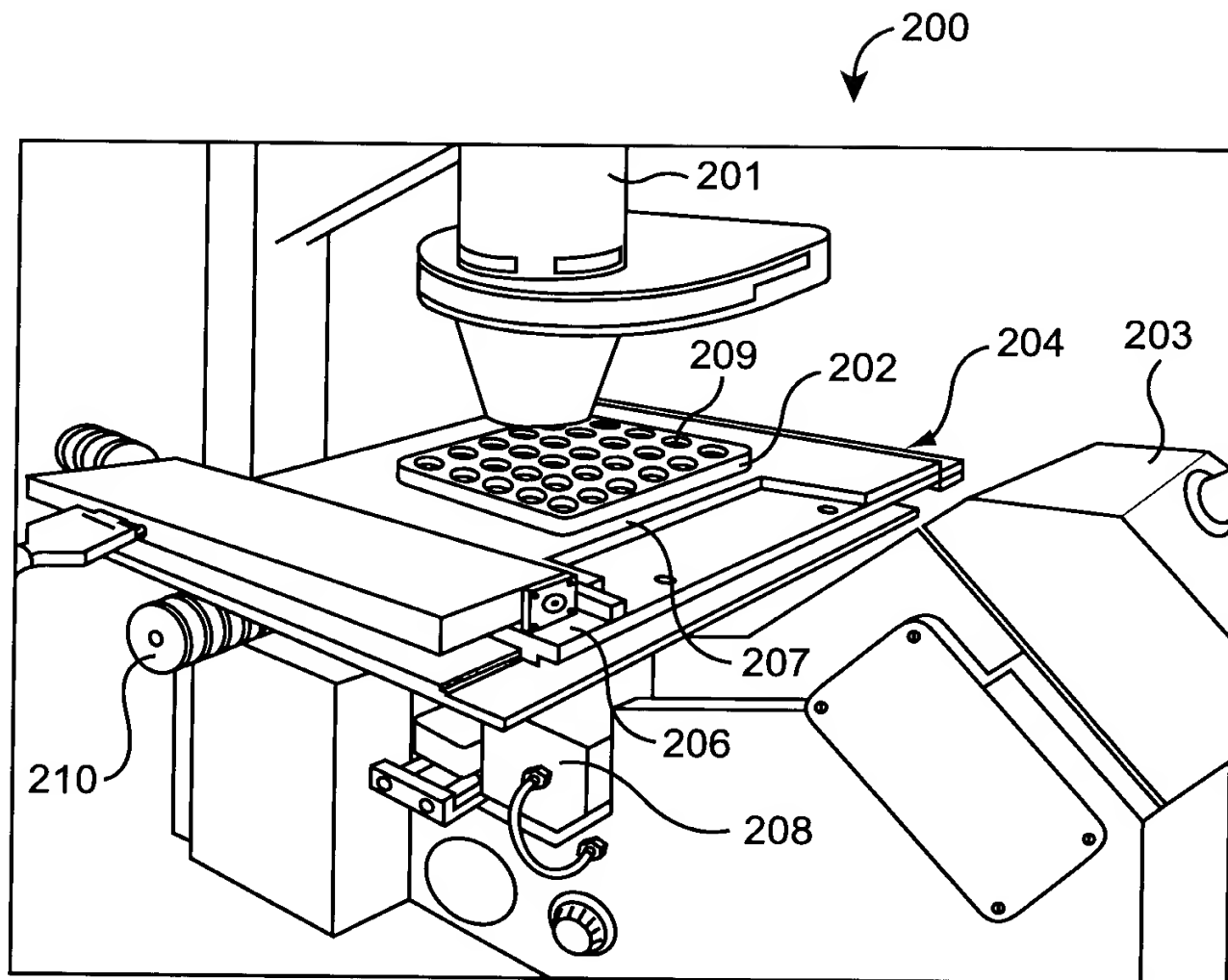


FIG. 4

| | |
|-----------|----------------|
| APPROVED | O. G. FIG. |
| BY | CLASS SUBCLASS |
| DRAFTSMAN | |

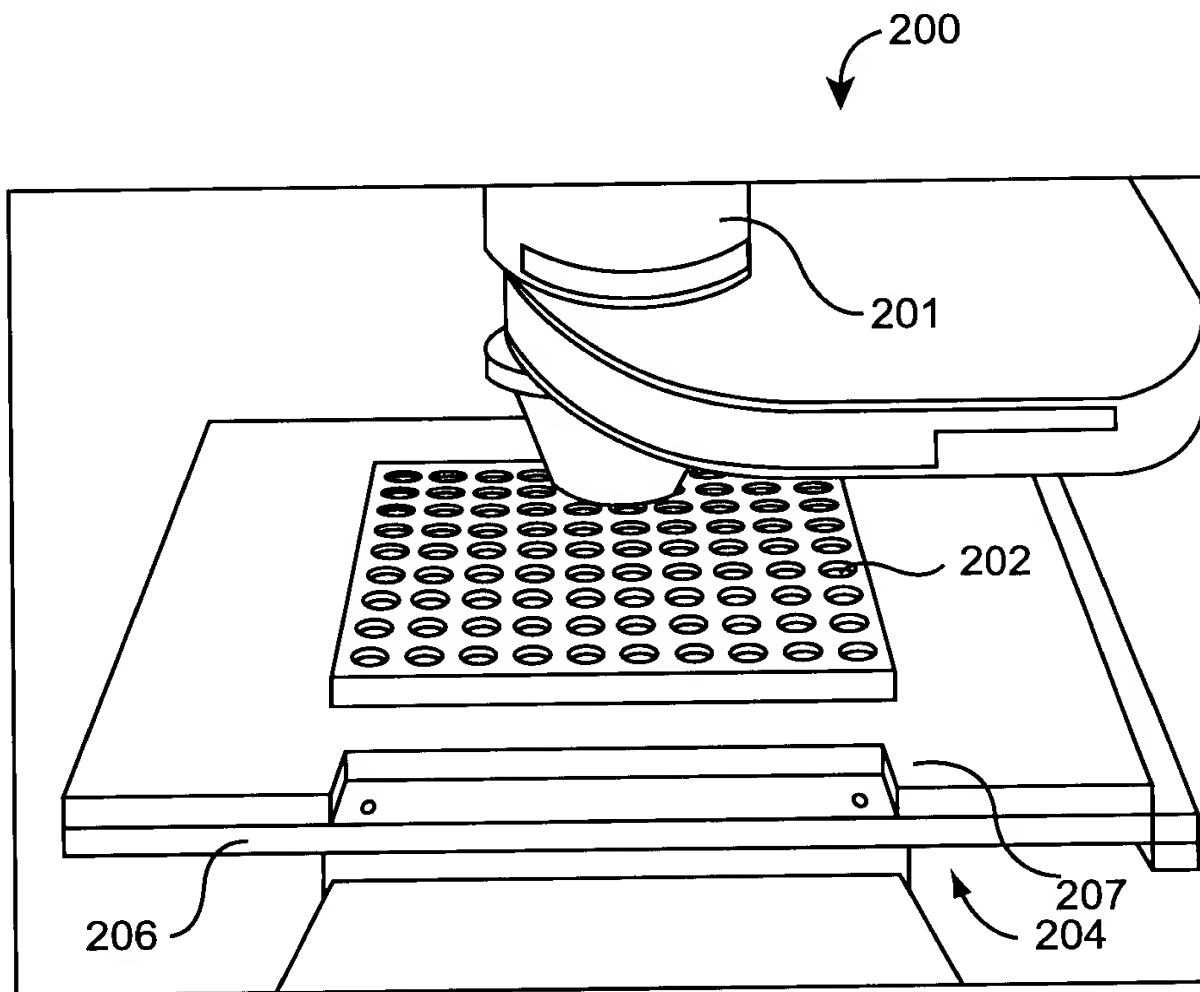


FIG. 5

| | | |
|-----------|------------|----------|
| APPROVED | O. G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

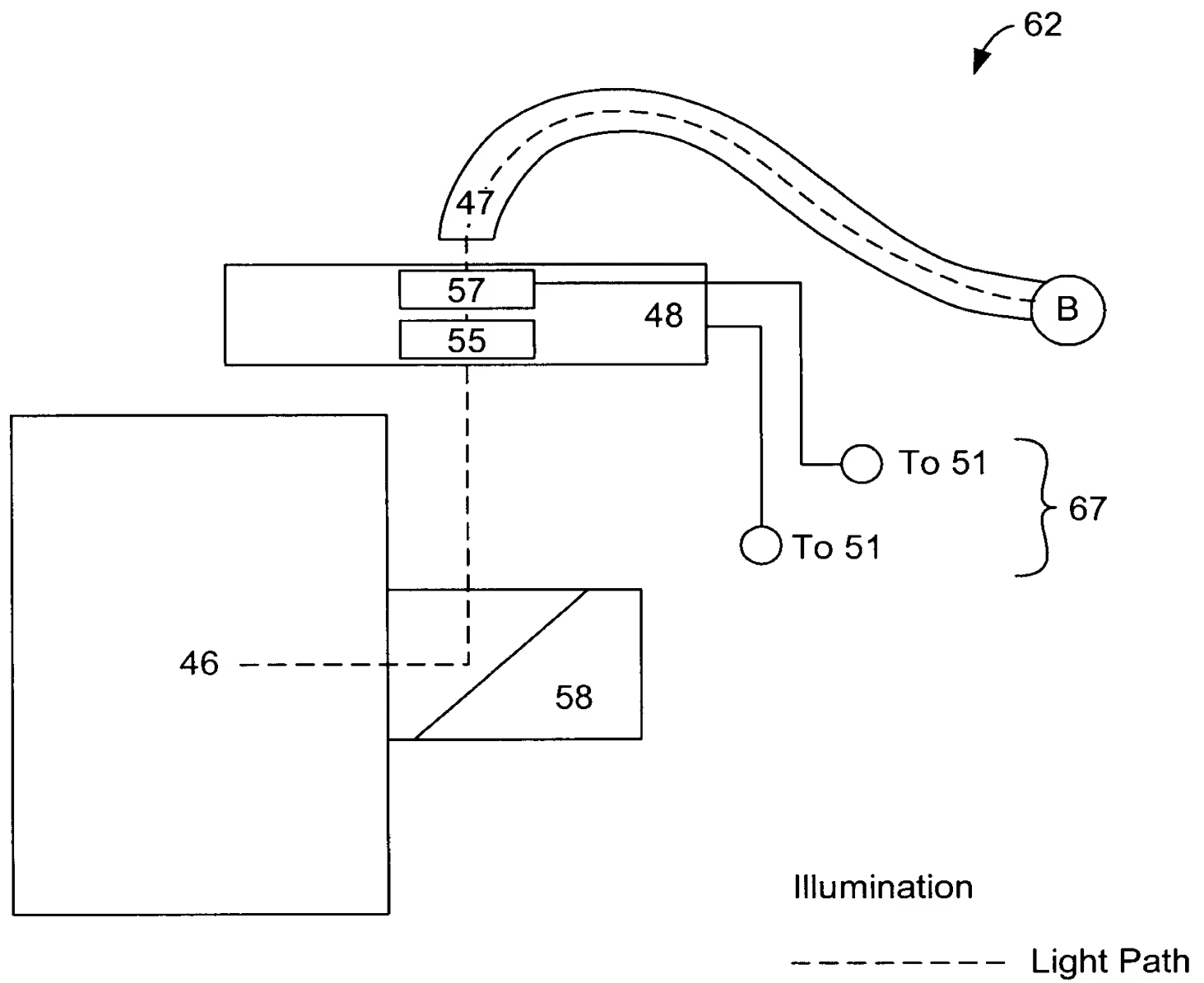


FIG. 5B

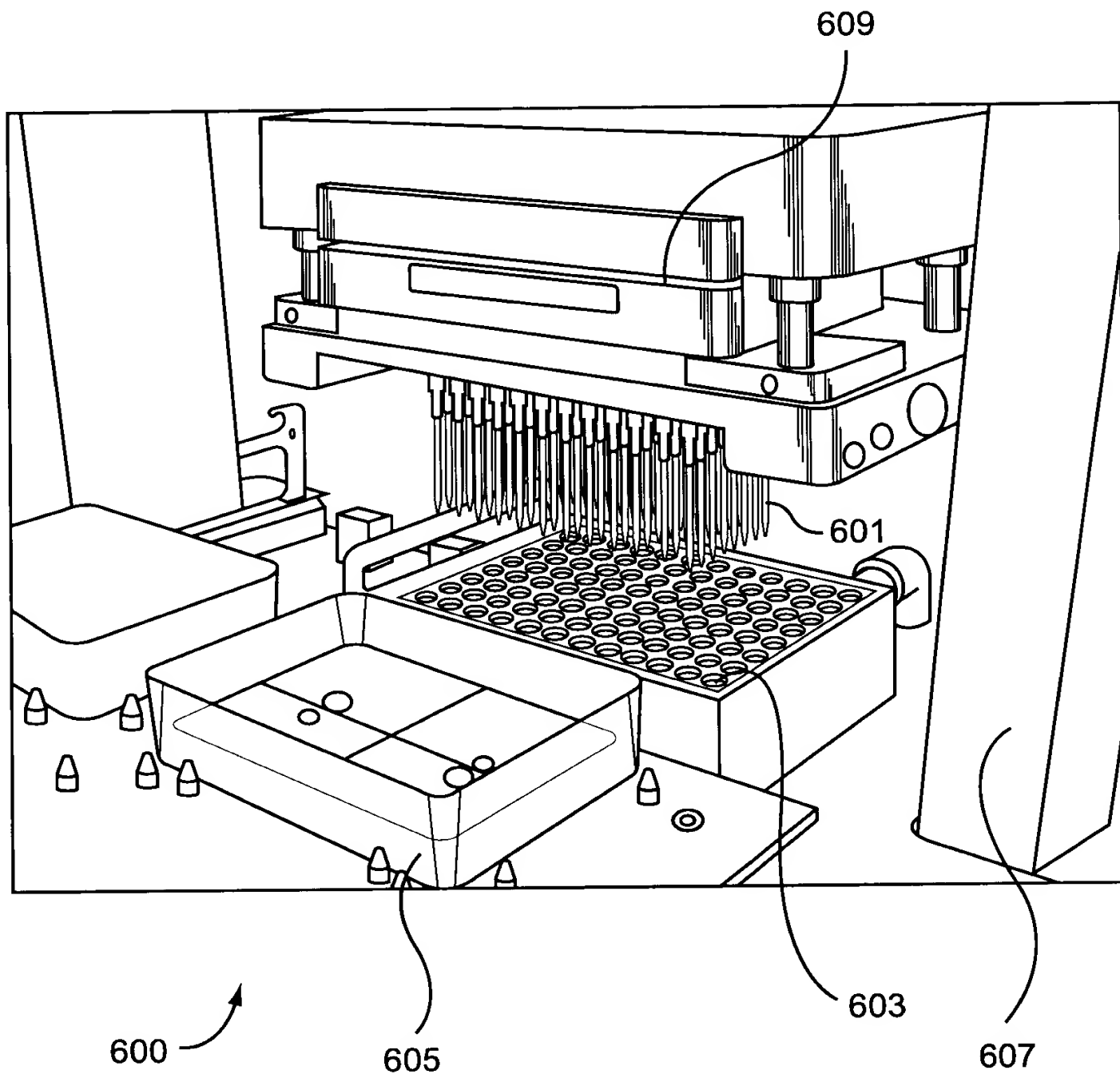


FIG. 6

| | | |
|-----------|------------|----------|
| APPROVED | O. G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

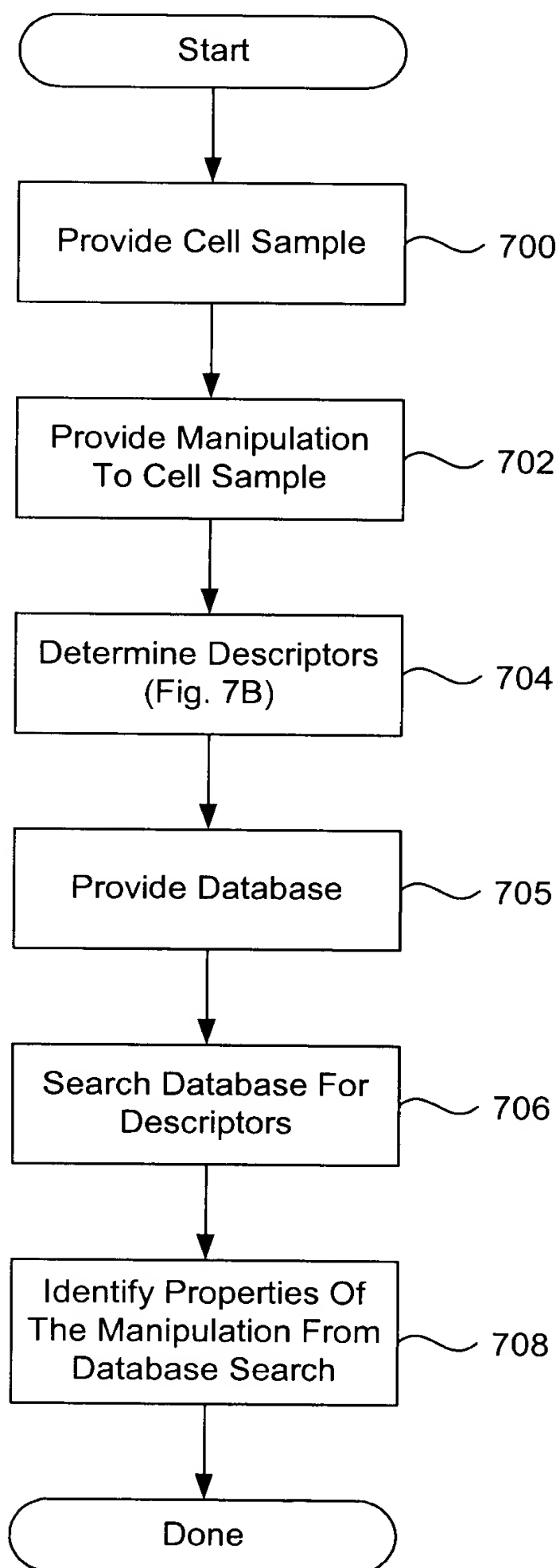


FIG. 7A

| | | |
|-----------|------------|----------|
| APPROVED | C. G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

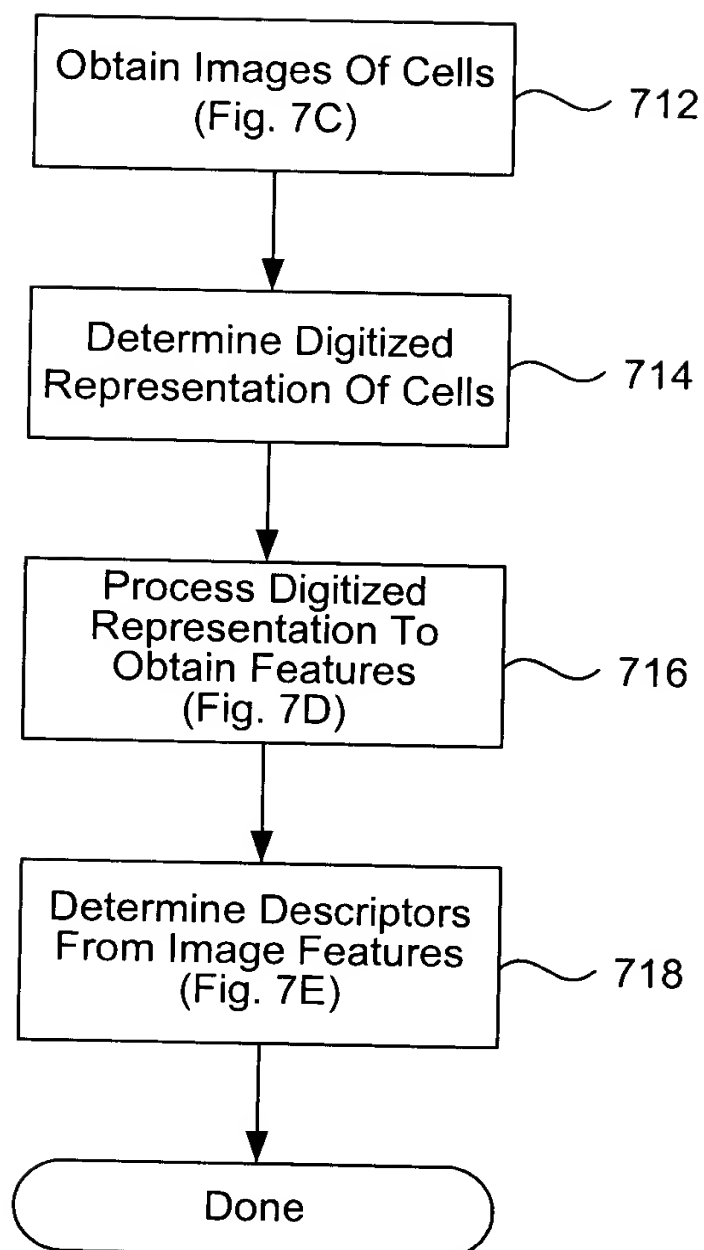


FIG. 7B
Step 704 of Fig. 7A

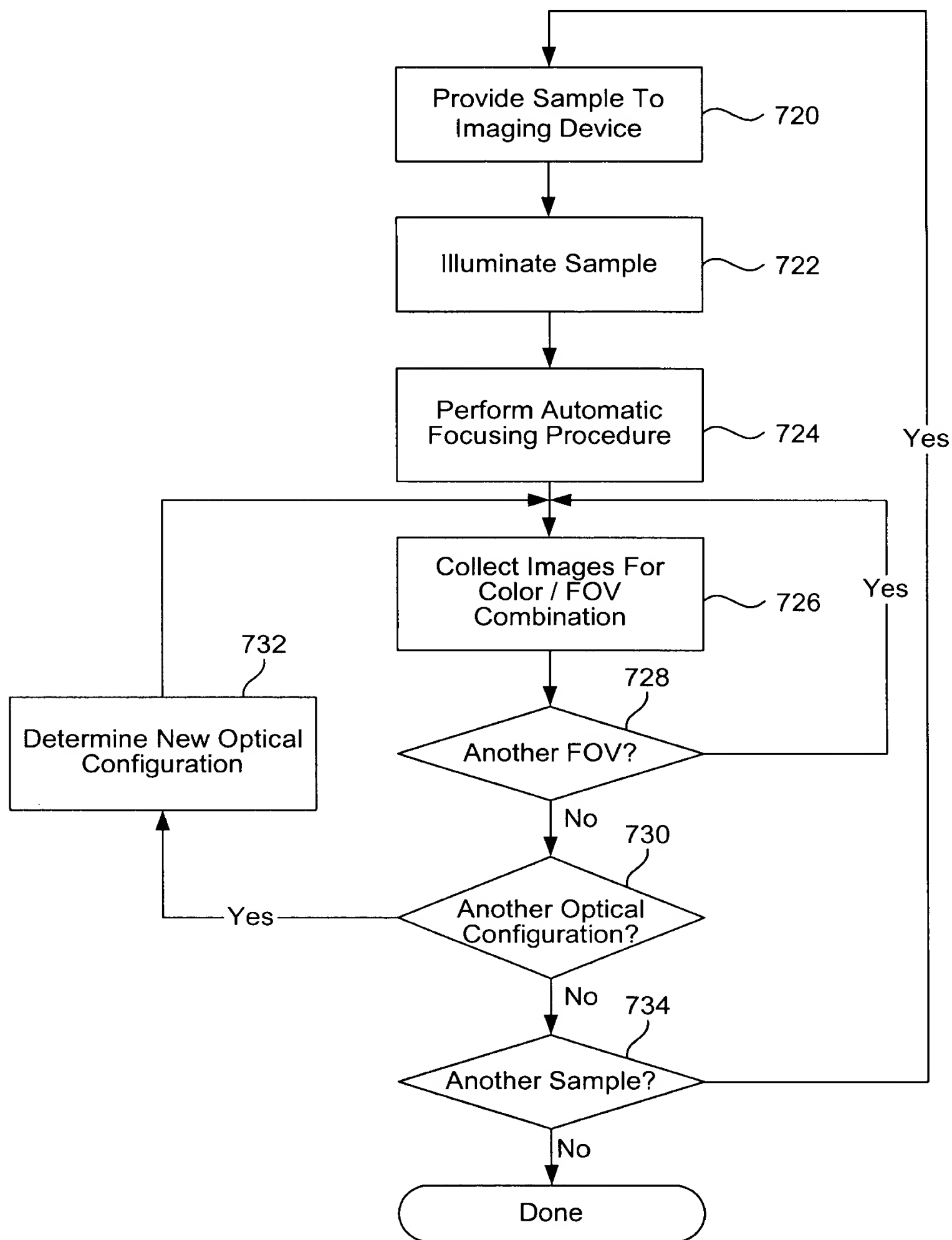


FIG. 7C
Step 714 of Fig. 7B

| | | |
|-----------|-----------|----------|
| APPROVED | O G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

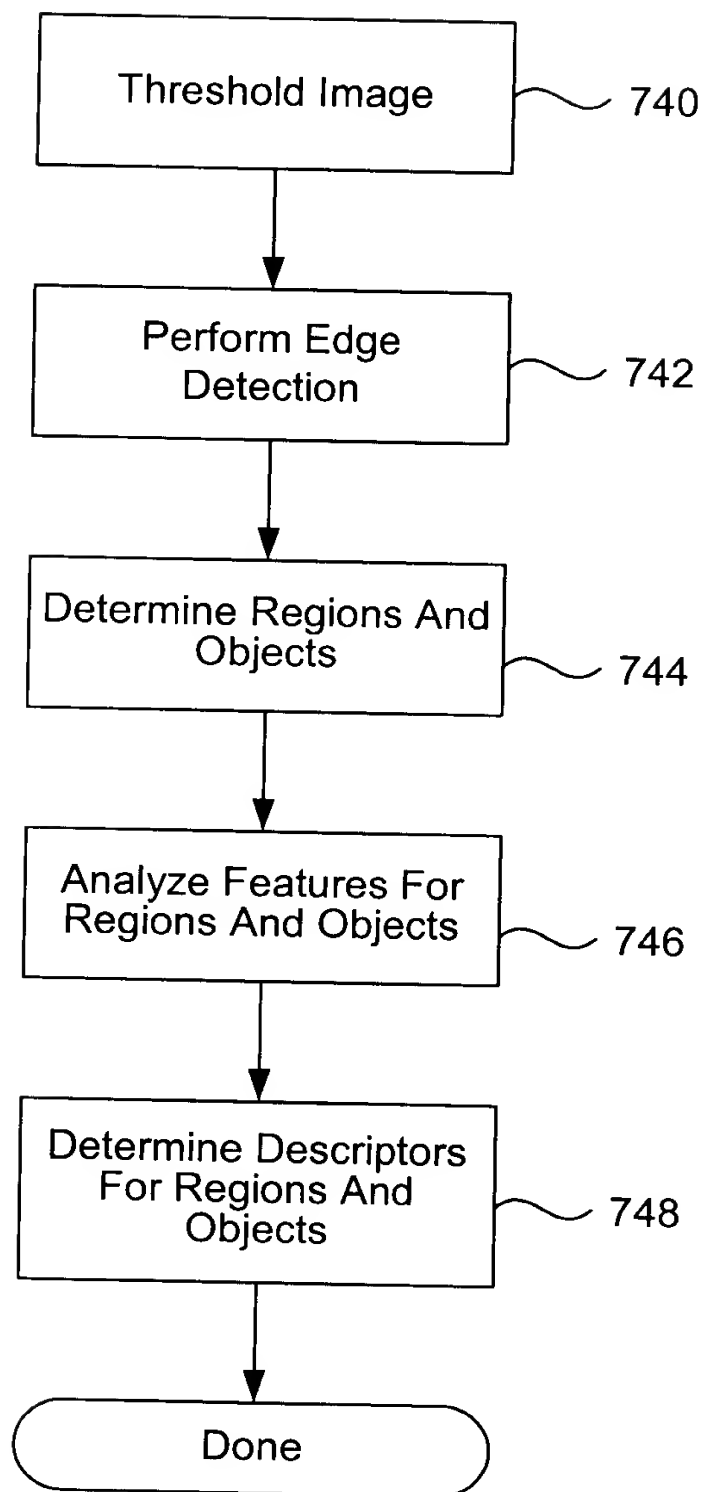


FIG. 7D
Step 716 of Fig. 7B

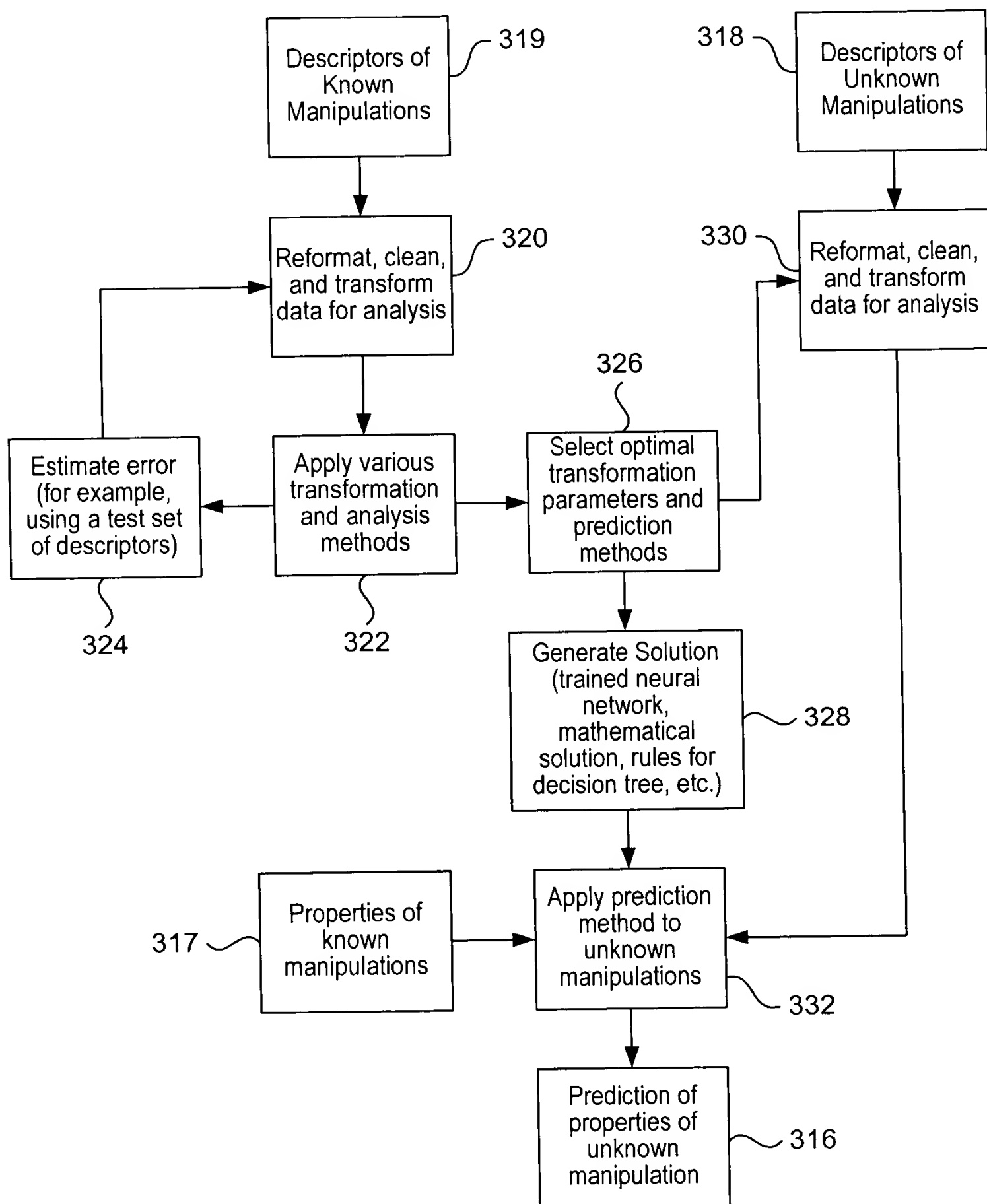


FIG. 7E

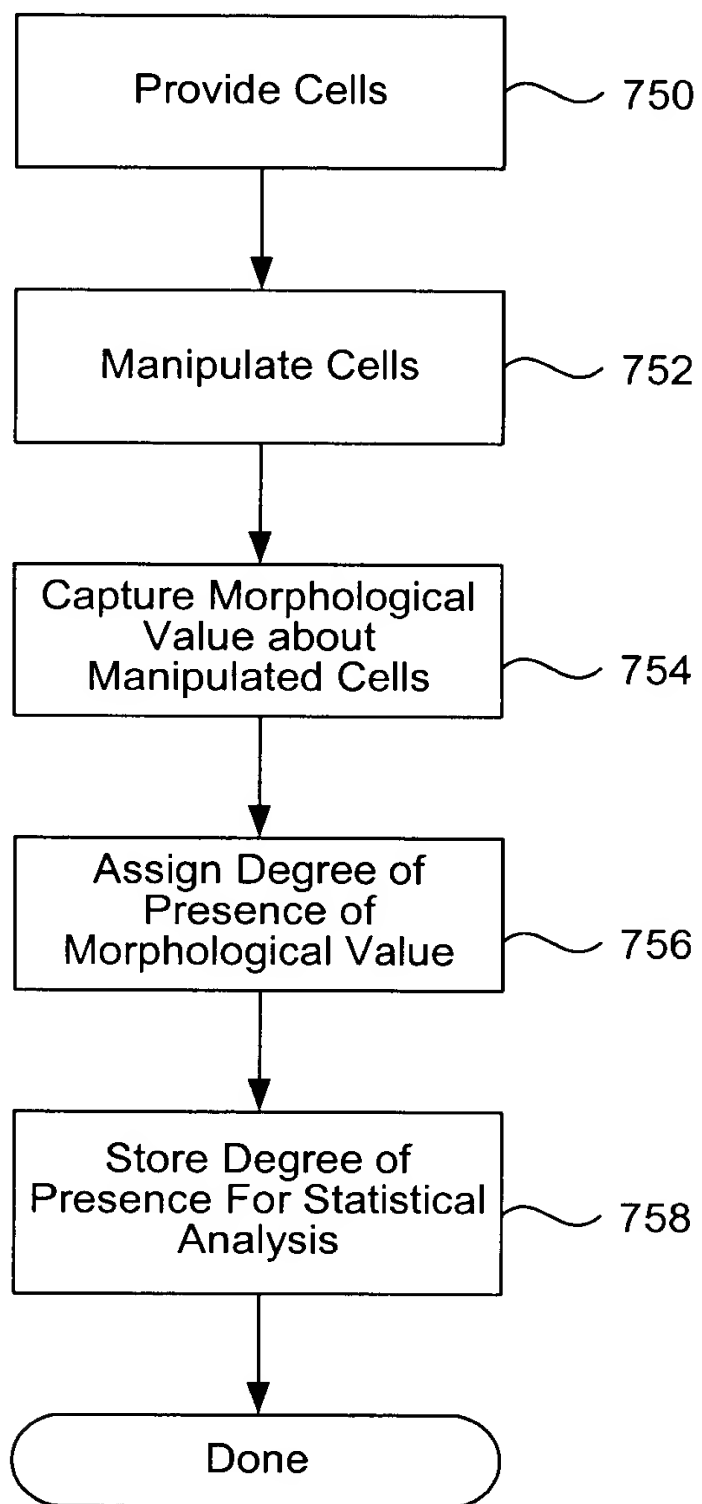


FIG. 7F

| | | |
|-----------|-----------|----------|
| APPROVED | O G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

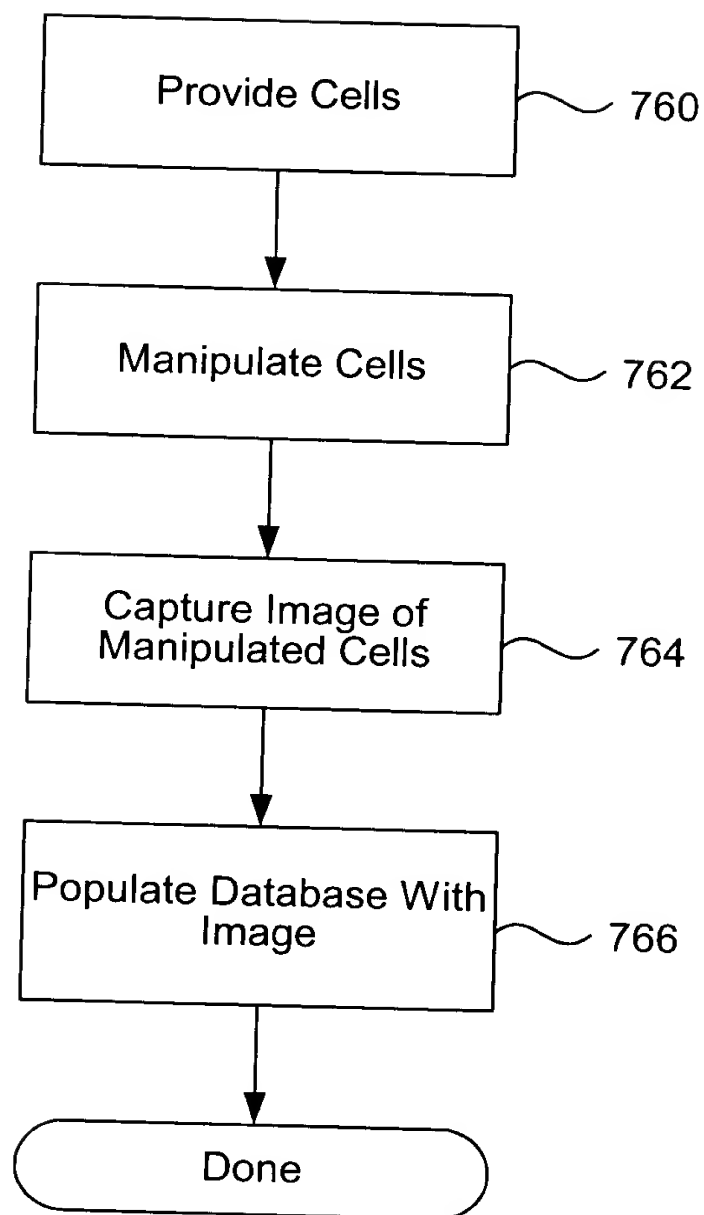


FIG. 7G

| | |
|-----------|----------------|
| APPROVED | O. G. FIG. |
| BY | CLASS SUBCLASS |
| DRAFTSMAN | |

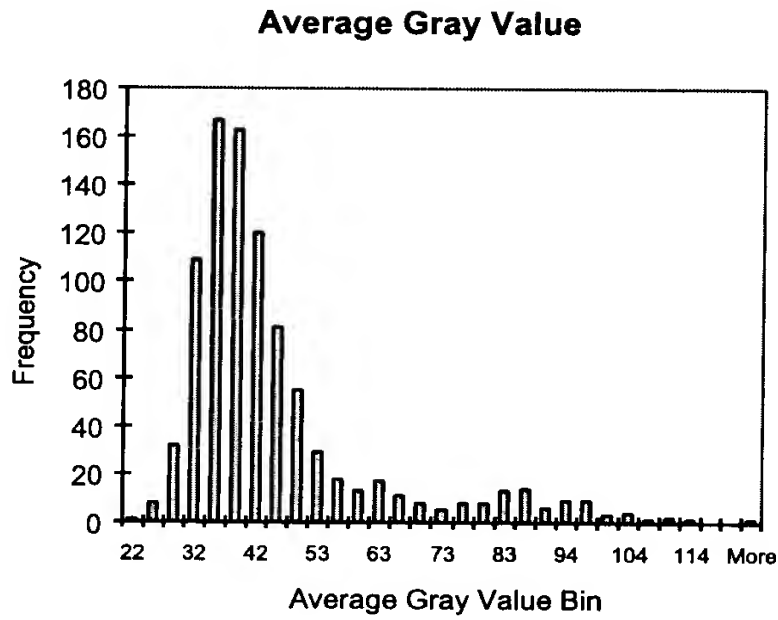


FIG. 8A

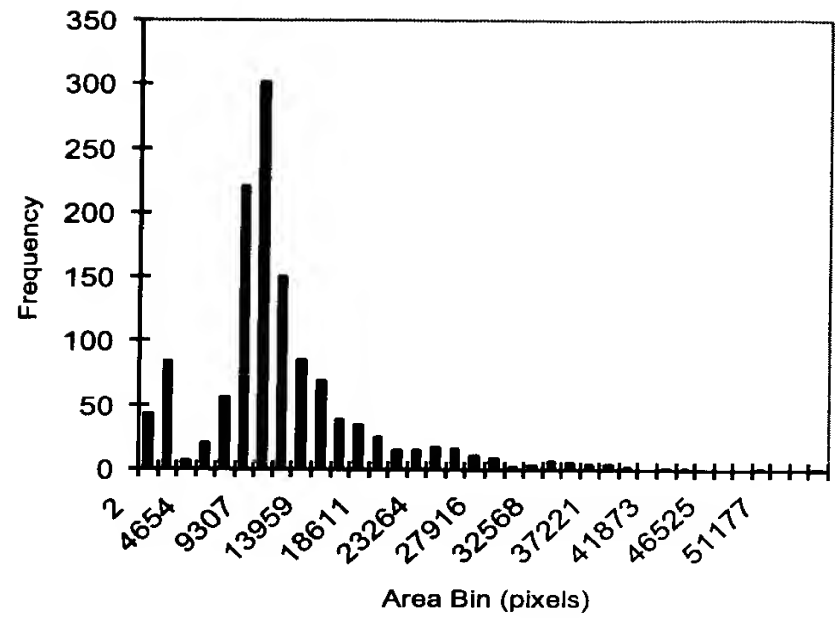


FIG. 8B

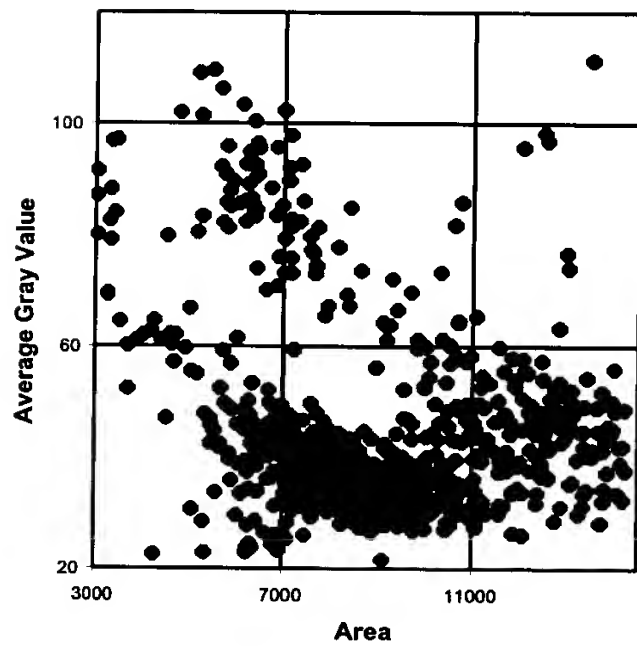


FIG. 8C

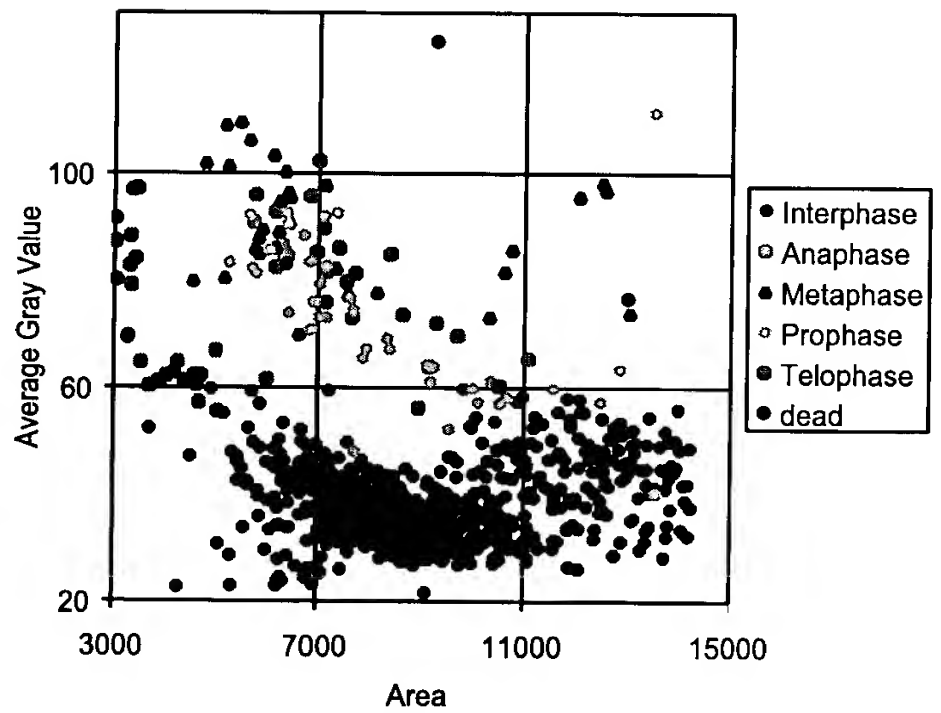


FIG. 8D

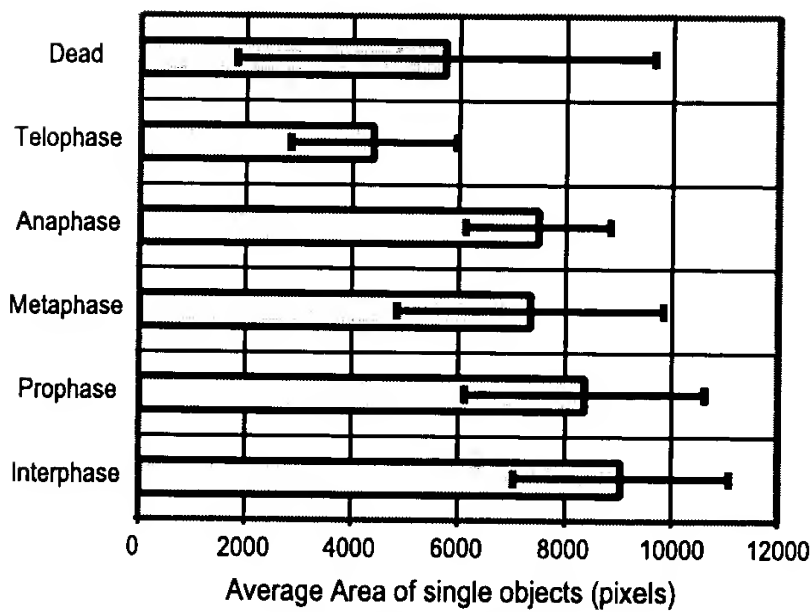


FIG. 8E

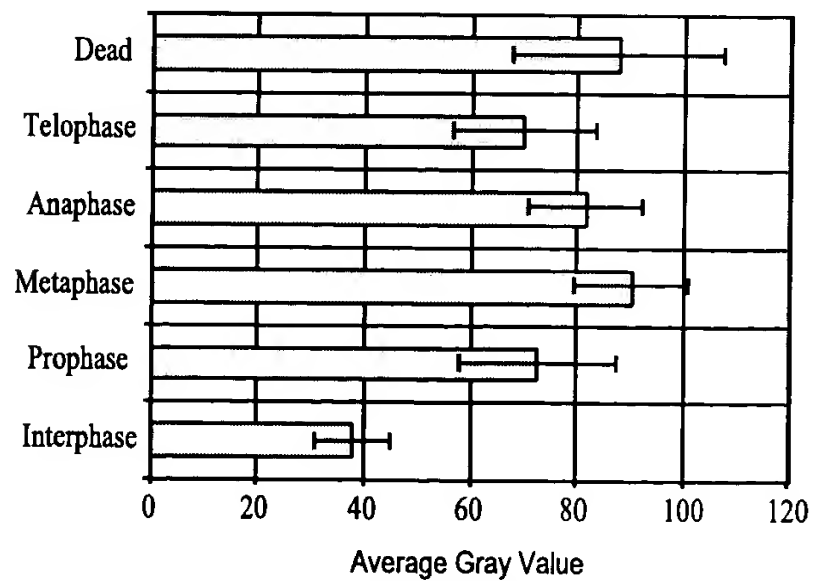


FIG. 8F

| | | |
|-----------|------------|----------|
| APPROVED | O. G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

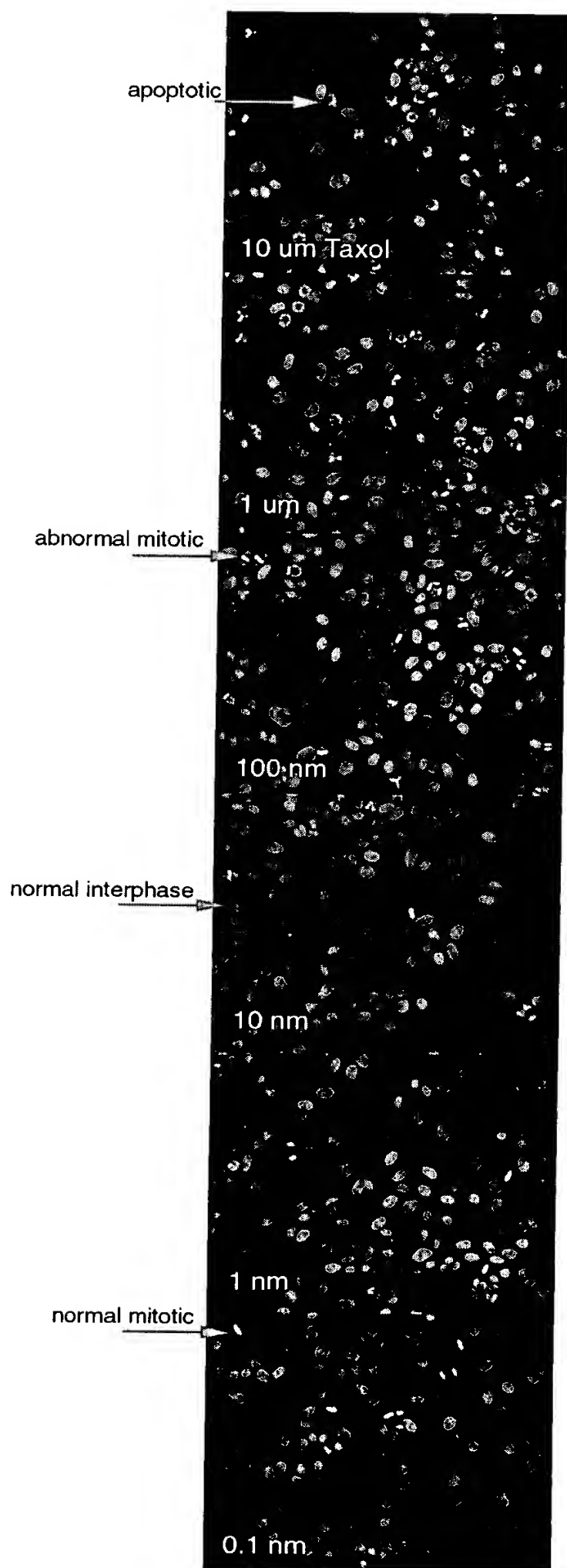


FIG. 9

MDCK cells treated with Taxol for 4.5 hours

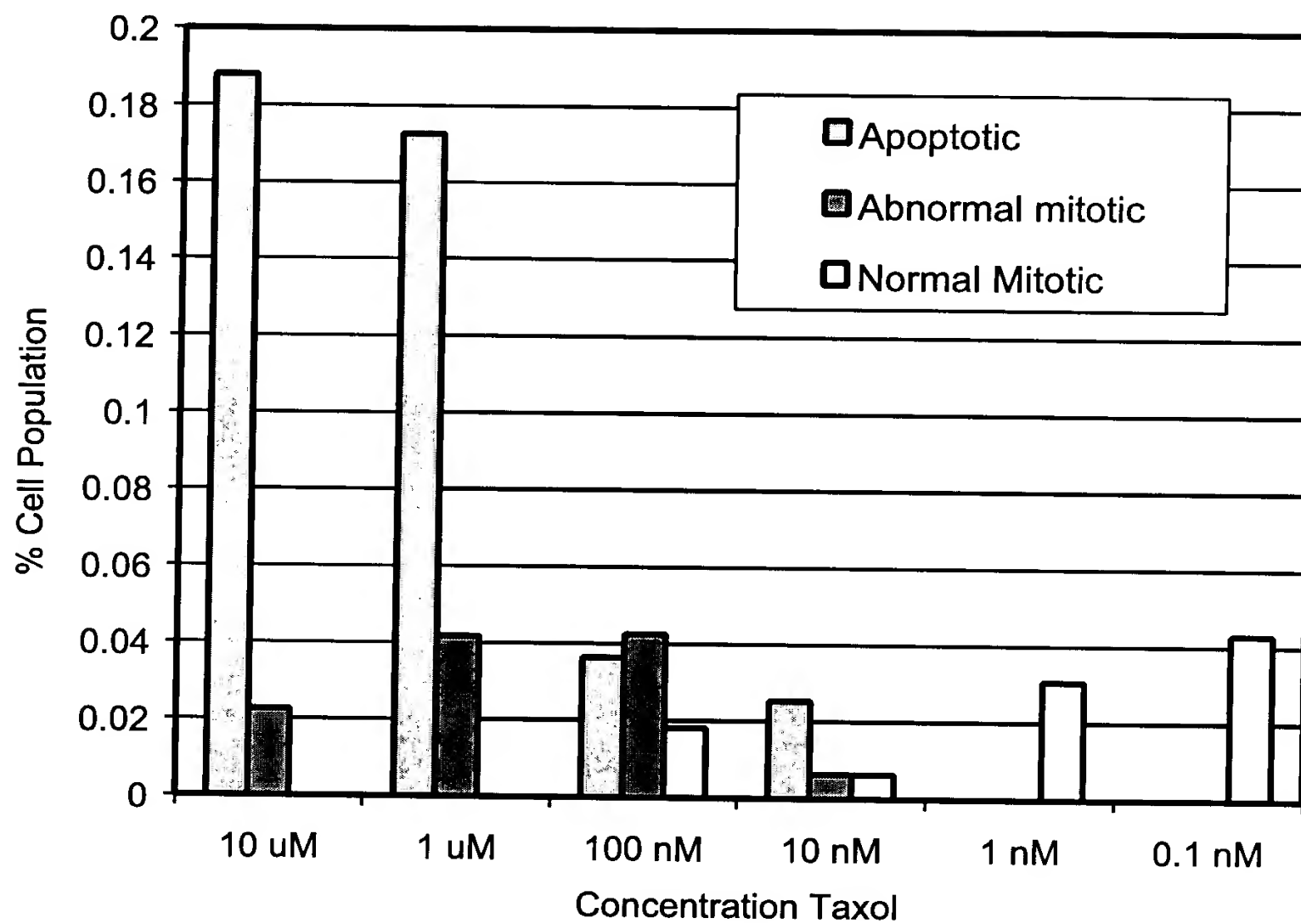


FIG. 10

| | | |
|-----------|------------|----------|
| APPROVED | O. G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

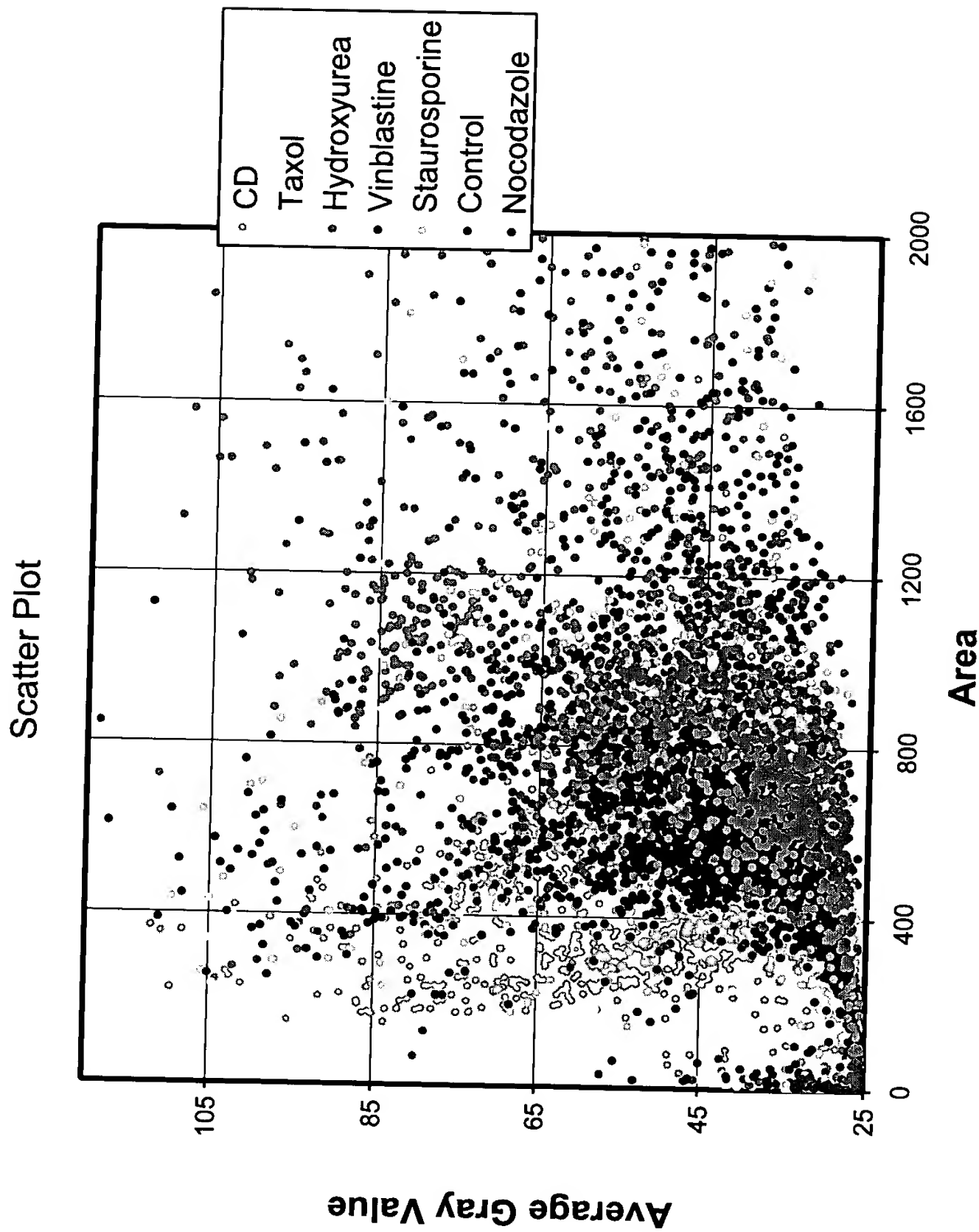


FIG. 11

| | | |
|-----------|-----------|----------|
| APPROVED | O G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

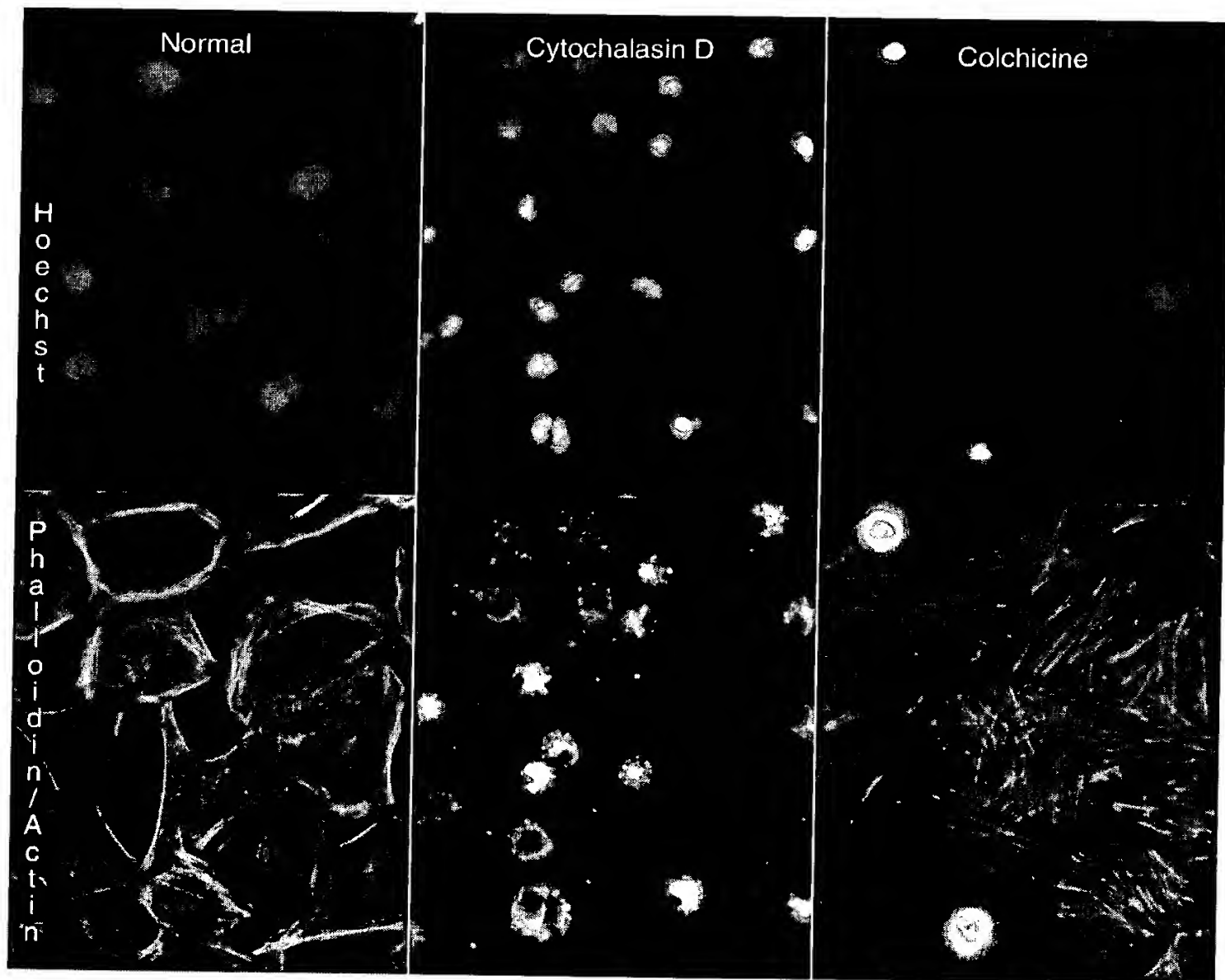


FIG. 12

| | | |
|-----------|-----------|----------|
| APPROVED | O G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

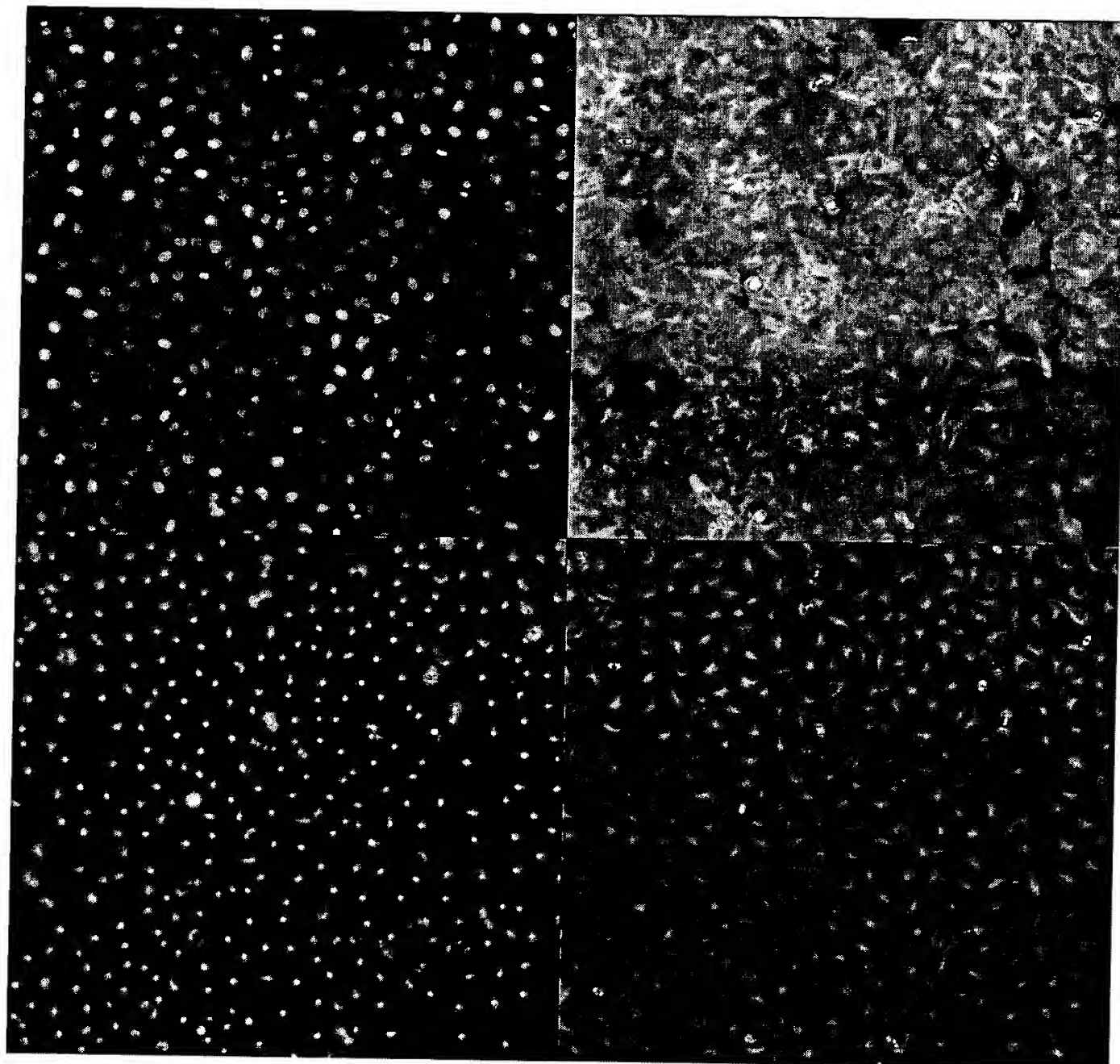


FIG. 13

| | | |
|-----------|-----------|----------|
| APPROVED | O G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

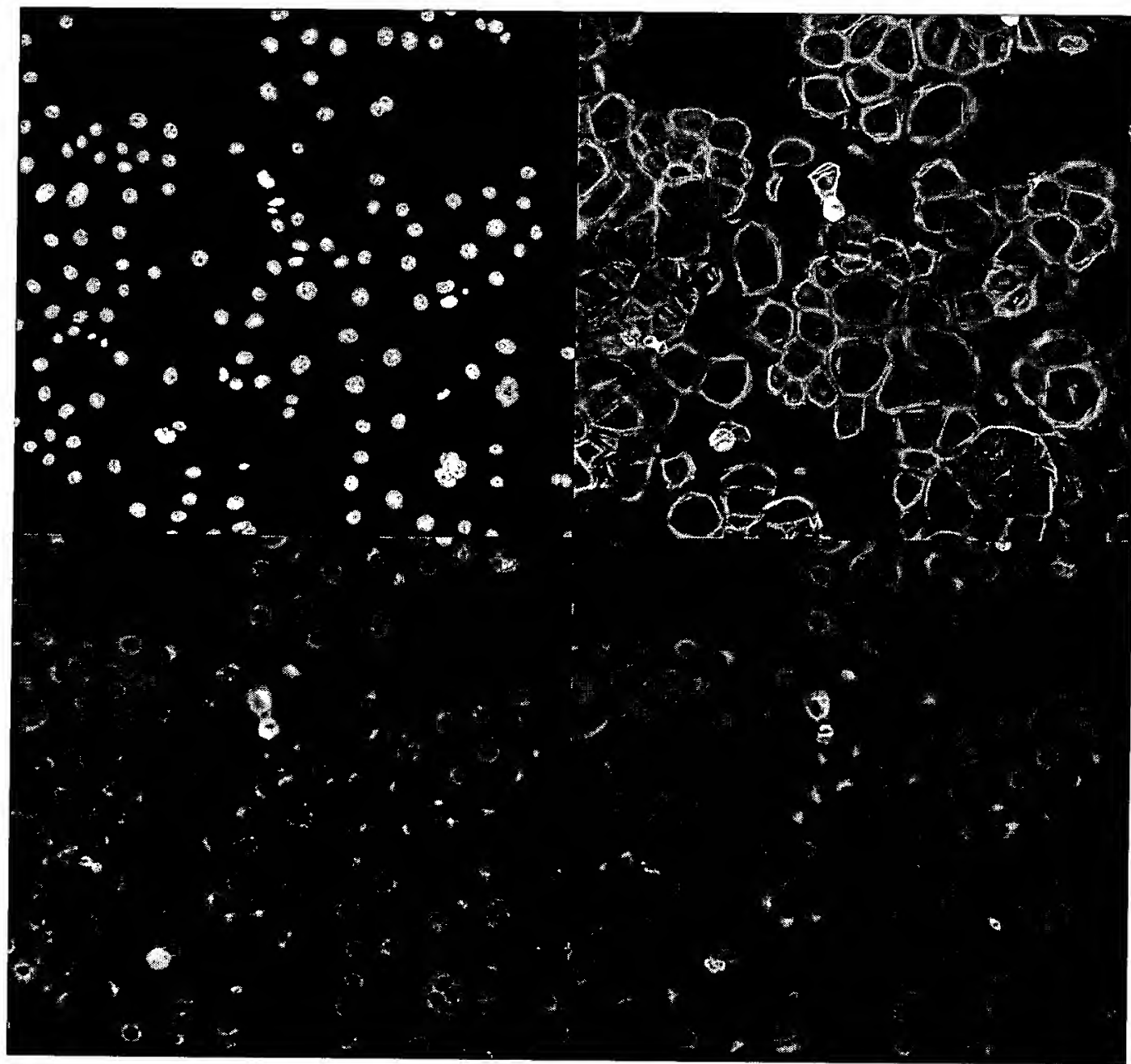


FIG. 14

| | | |
|-----------|------------|----------|
| APPROVED | O. G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

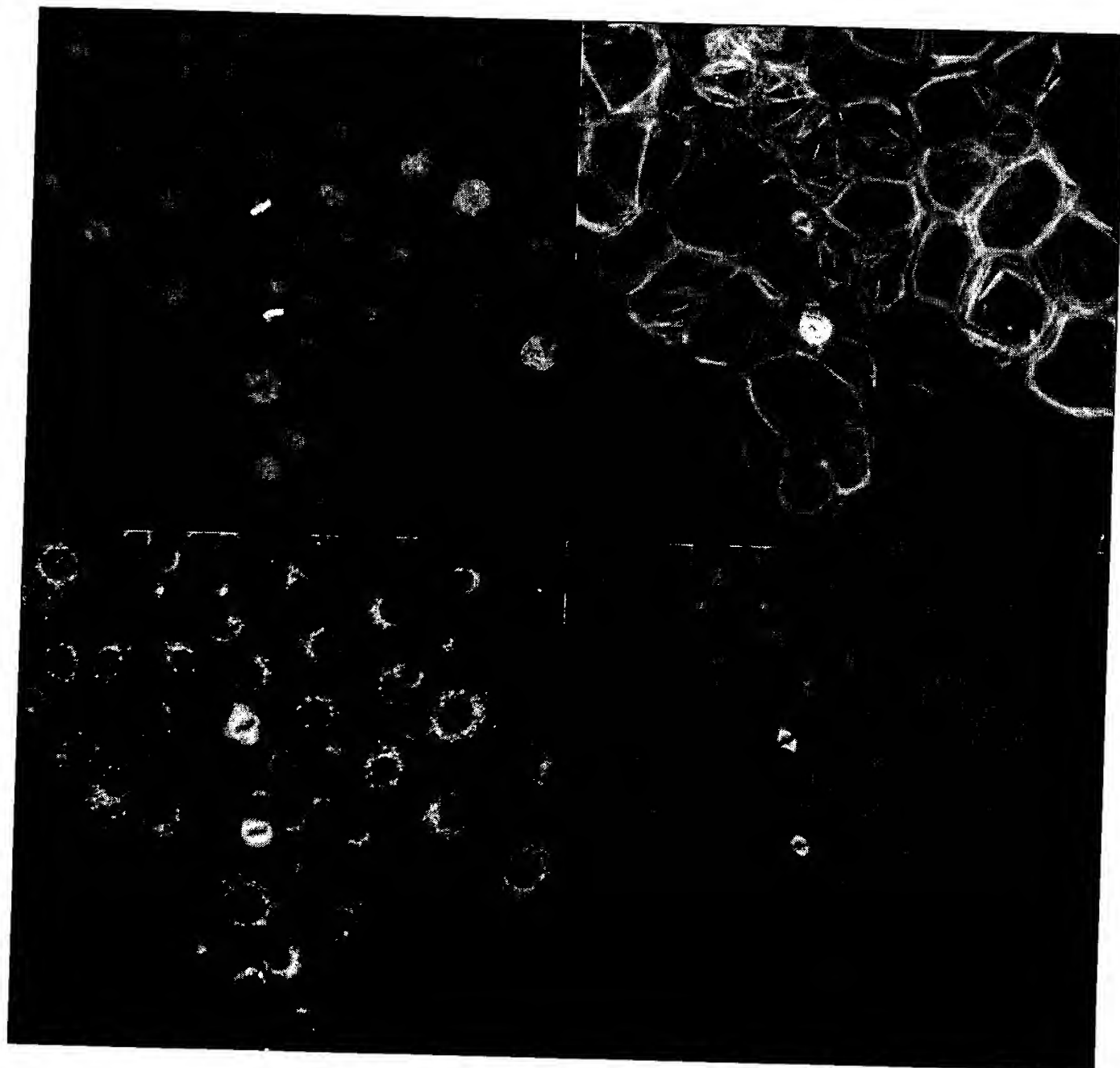


FIG. 15

| | | |
|-----------|-----------|----------|
| APPROVED | O G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

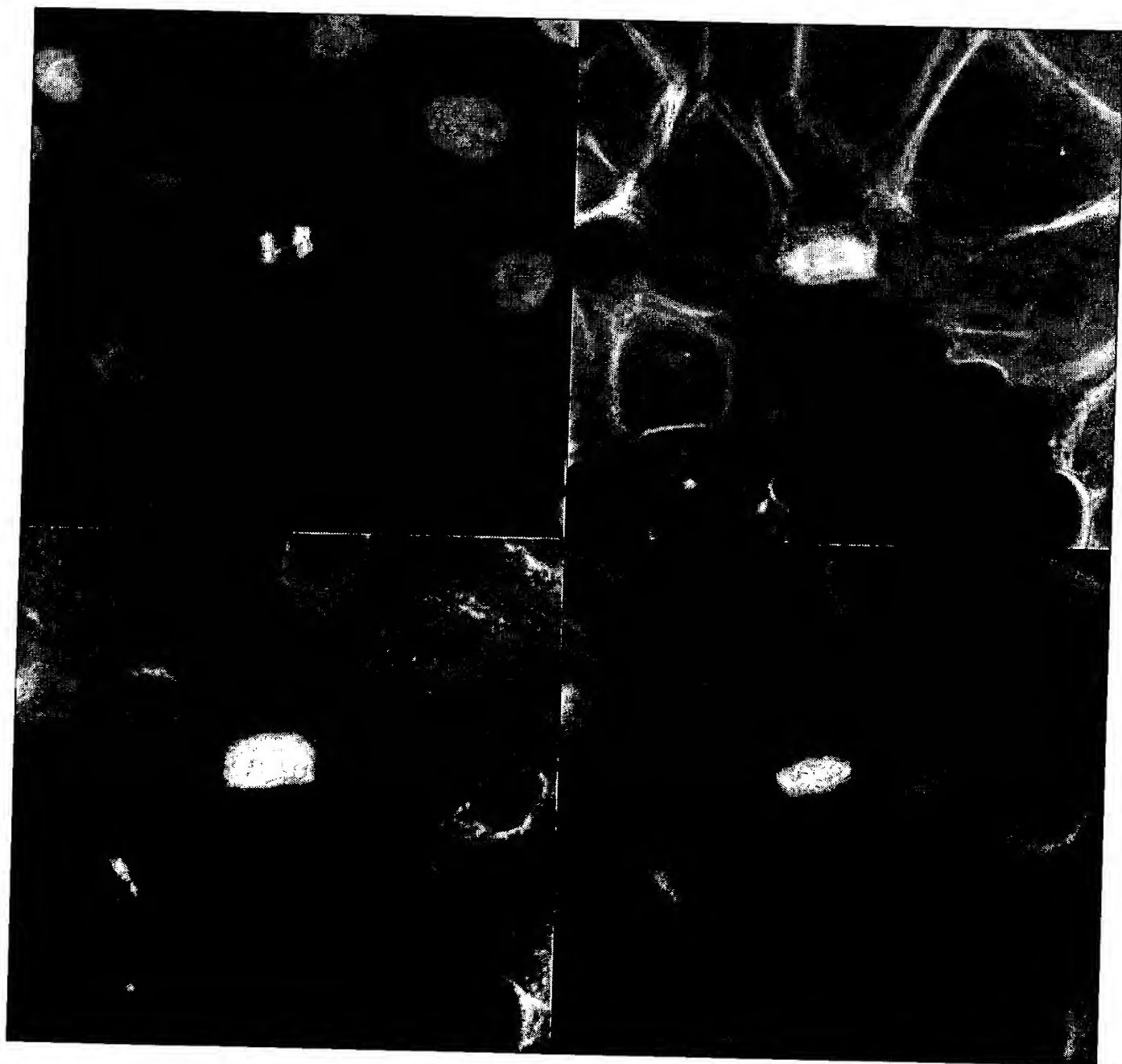


FIG. 16

| | | |
|-----------|-----------|----------|
| APPROVED | O G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

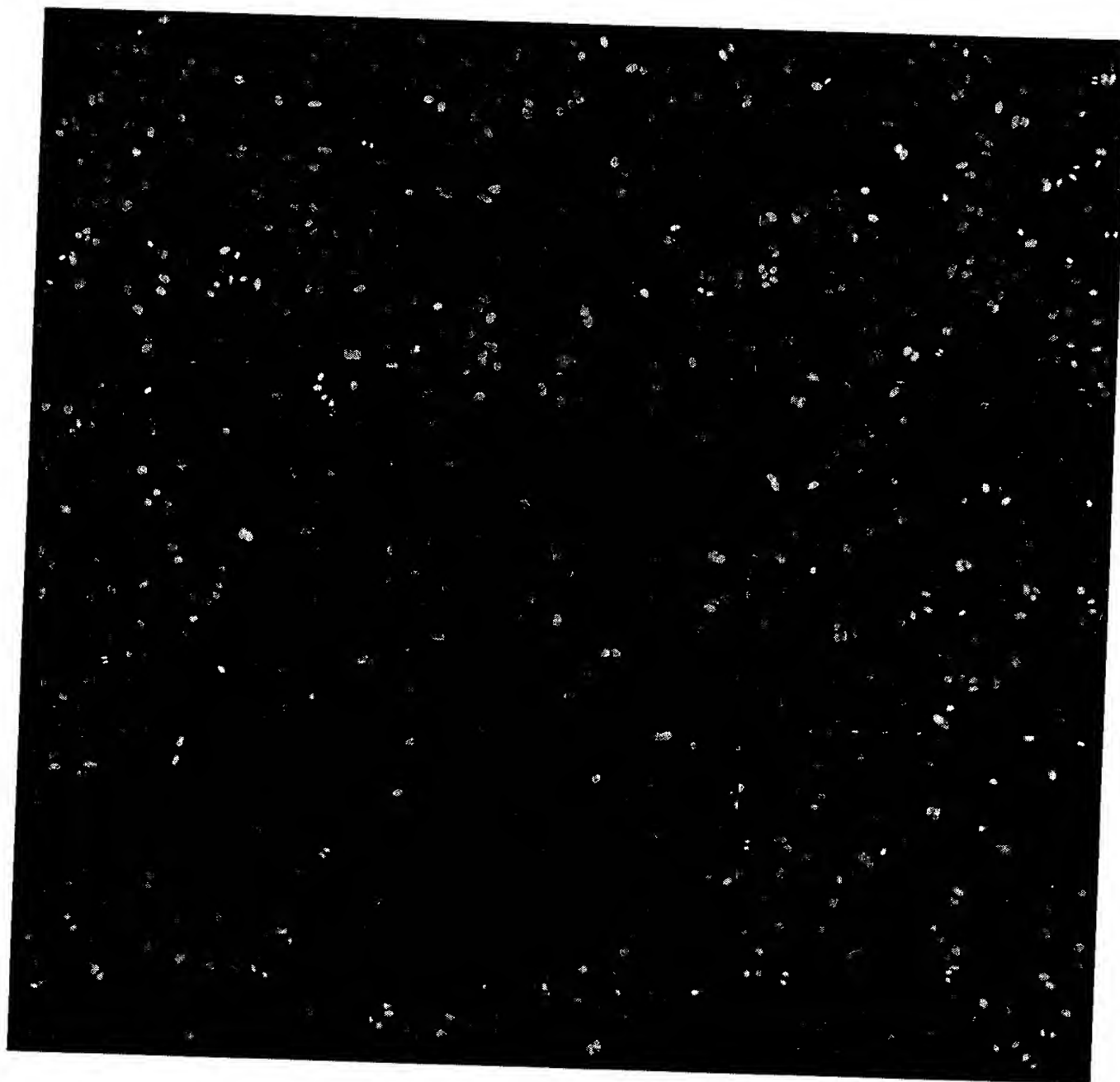


FIG. 17

| | |
|-----------|----------------|
| APPROVED | O. G. FIG. |
| BY | CLASS SUBCLASS |
| DRAFTSMAN | |

Conversion of morphometric parameters into nucleic acid code and clustering of the resulting sequences using Neighbor Joining method.

| Compound: | Measurements | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|---------------|------|-----------|--------|---------|--------------|---------------|--------------|------------------|--------------|--------------|-------------|---------------|--------------------|---------------------|--------------------|----------------------------|--------------------|------------------|-----------------|-------------------|---------------------------|----------------------------|----------------------------|---|
| | Count | Area | Perimeter | Length | Breadth | Fiber length | Fiber breadth | Shape factor | Ell. form factor | Inner radius | Outer radius | Mean radius | Equiv. radius | Equiv. sphere vol. | Equiv. prolate vol. | Equiv. oblate vol. | Equiv. sphere surface area | Average gray value | Total gray value | Optical density | Radial dispersion | Texture Difference Moment | EFA Harmonic 2, Semi-Major | EFA Harmonic 2, Semi-Minor | |
| | Control | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | a | t | t | |
| | Taxol | a | t | t | t | t | t | t | a | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | |
| | CD | c | a | a | a | t | a | t | c | a | a | a | a | a | a | a | a | t | a | a | a | t | a | g | |
| | Nocodozol | c | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | |
| | Staurosporine | g | g | c | a | a | t | a | a | t | g | a | a | a | t | g | g | g | a | a | t | a | t | a | a |
| | Vinblastine | c | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | g | t | t | t | t | t | |
| | Hydroxyurea | g | t | t | t | t | t | t | g | t | t | t | t | t | t | t | t | t | t | c | t | a | t | t | |

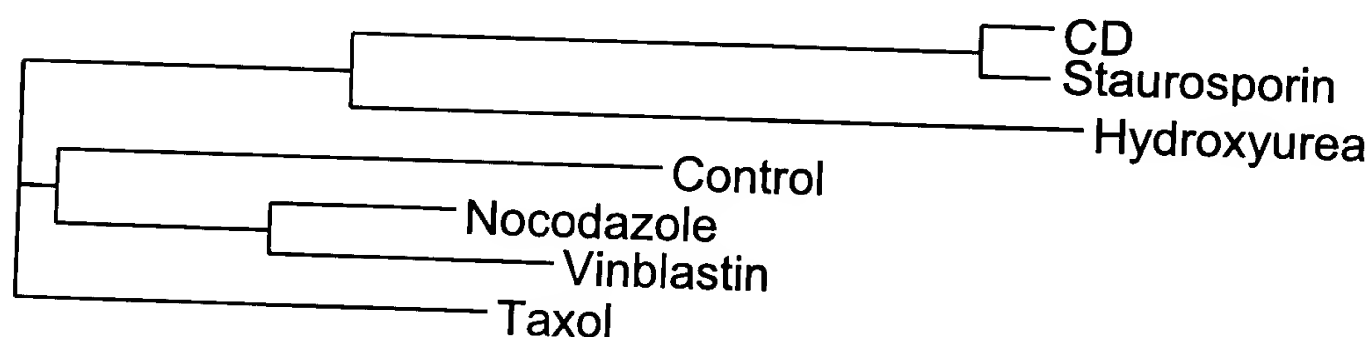


FIG. 18

| | |
|-----------|----------------|
| APPROVED | O. G. FIG. |
| BY | CLASS SUBCLASS |
| DRAFTSMAN | |

Conversion of morphometric parameters into amino acid codes and clustering of the resulting sequences using Neighbor Joining method.

| | Count | Area | Perimeter | Length | Breadth | Fiber length | Fiber breadth | Shape factor | Ell. form factor | Inner radius | Outer radius | Mean radius | Equiv. radius | Equiv. sphere vol. | Equiv. prolate vol. | Equiv. oblate vol. | Equiv. sphere surface are | Average gray value | Total gray value | Optical density | Radial dispersion | Texture Difference Mome1 | EFA Harmonic 2, Semi-Major Axis | EFA Harmonic 2, Semi-Minor Ax | EFA Harmonic 2, Semi-Major A |
|---------------|-------|------|-----------|--------|---------|--------------|---------------|--------------|------------------|--------------|--------------|-------------|---------------|--------------------|---------------------|--------------------|---------------------------|--------------------|------------------|-----------------|-------------------|--------------------------|---------------------------------|-------------------------------|------------------------------|
| Control | H | P | T | T | N | S | D | W | E | S | T | T | T | F | C | C | P | P | M | C | T | G | T | T | Y |
| Taxol | G | F | M | M | P | M | P | H | G | S | M | M | W | C | F | P | F | R | C | M | M | H | M | P | S |
| CD | F | G | G | G | M | G | M | K | A | G | G | G | G | G | G | G | G | H | G | G | G | M | G | V | H |
| Nocodozol | W | F | M | M | W | M | P | T | R | S | M | M | M | F | M | W | F | M | M | R | M | M | M | F | G |
| Staurosporine | N | V | A | G | G | M | G | G | Y | V | G | G | G | M | V | V | V | G | G | H | G | M | G | G | V |
| Vinblastine | F | W | W | M | W | W | C | W | D | S | M | W | W | M | M | M | W | M | V | E | M | M | M | F | P |
| Hydroxyurea | S | H | H | H | H | H | H | V | H | H | H | H | H | H | H | H | H | H | H | A | H | G | H | H | D |

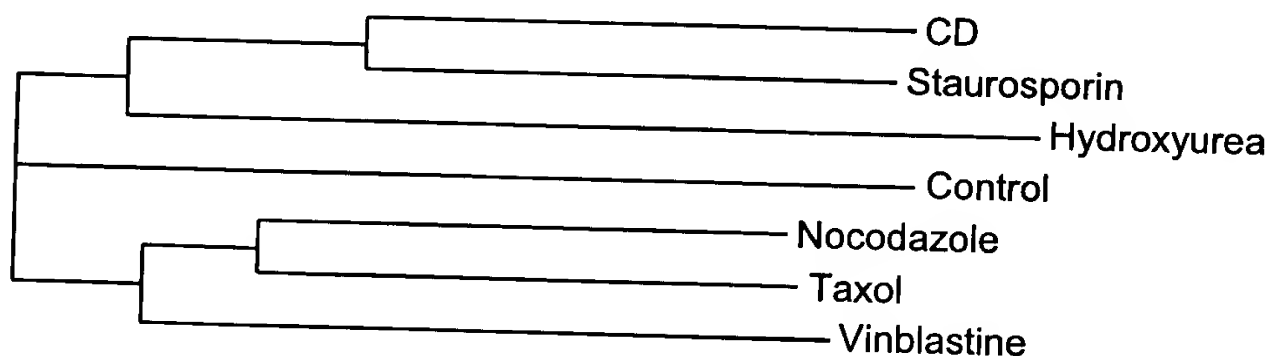


FIG. 19